

MUNICIPAL SOLID WASTE COGENERATION/ FUEL PRODUCTION FACILITY

Client:

U.S. Trade and
Development
Agency

Project Location:

Municipality of
Chelm, Poland

Capacity:

200,000 of steam/hr

Approximate**Installed Value:**

\$10,000,000



Based on PCI's broad and extensive experience and proven project record, PCI was selected by the United States Trade and Development Agency ("USTDA") to provide engineering, design, cost estimating, financial analysis and related services associated with the conversion of an existing coal fired district heating plant in the Municipality of Chelm, Poland to a municipal solid waste fuel facility.

The scope of work included:

- Detailed onsite inspections of existing equipment, and remaining useful life assessment of the existing boilers and related infrastructure
- An analysis of the existing municipal solid waste collection process
- Identified and analyzed various alternatives for utilizing municipal solid waste as fuel for the existing coal fired boilers or for use in a local cement kiln
- Prepared specifications for the solicitation of proposals for US supplied technology
- Prepared conceptual drawings including general arrangements, process diagrams, and related documents
- Provided detailed cost estimates for equipment installation
- Created detailed operation and maintenance plan and development of annual maintenance cost estimates
- Created detailed permitting and regulatory plan that would provide compliance with EU environmental standards
- Developed the business model for the proposed enterprise
- Developed the economic model including evaluation of an alternative financing structure

